

A. STEWART.
SPOOL HOLDER FOR SEWING MACHINE DRAWERS.
APPLICATION FILED OCT. 26, 1908.

930,630.

Patented Aug. 10, 1909.

Fig. 1.

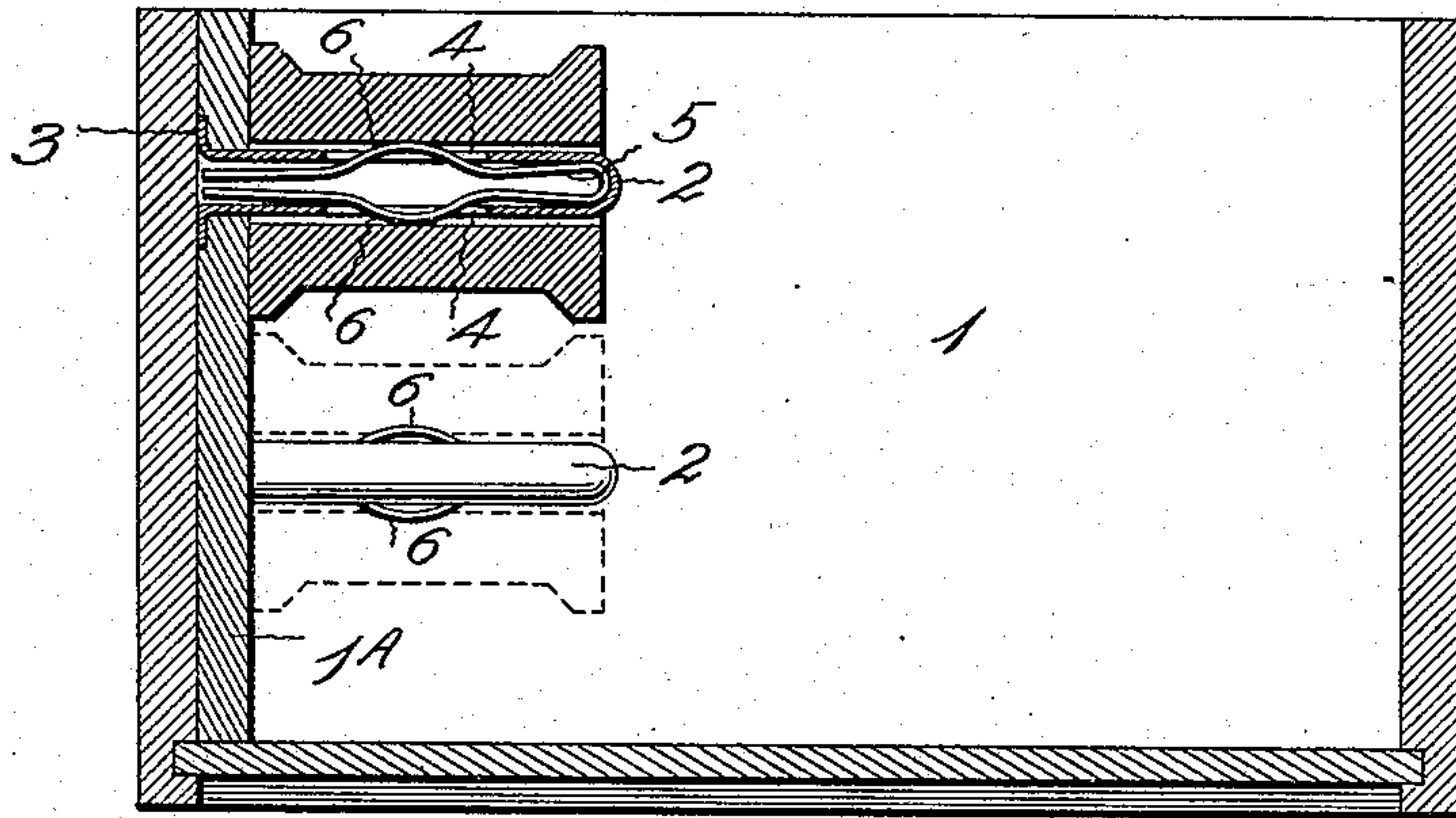


Fig. 2.

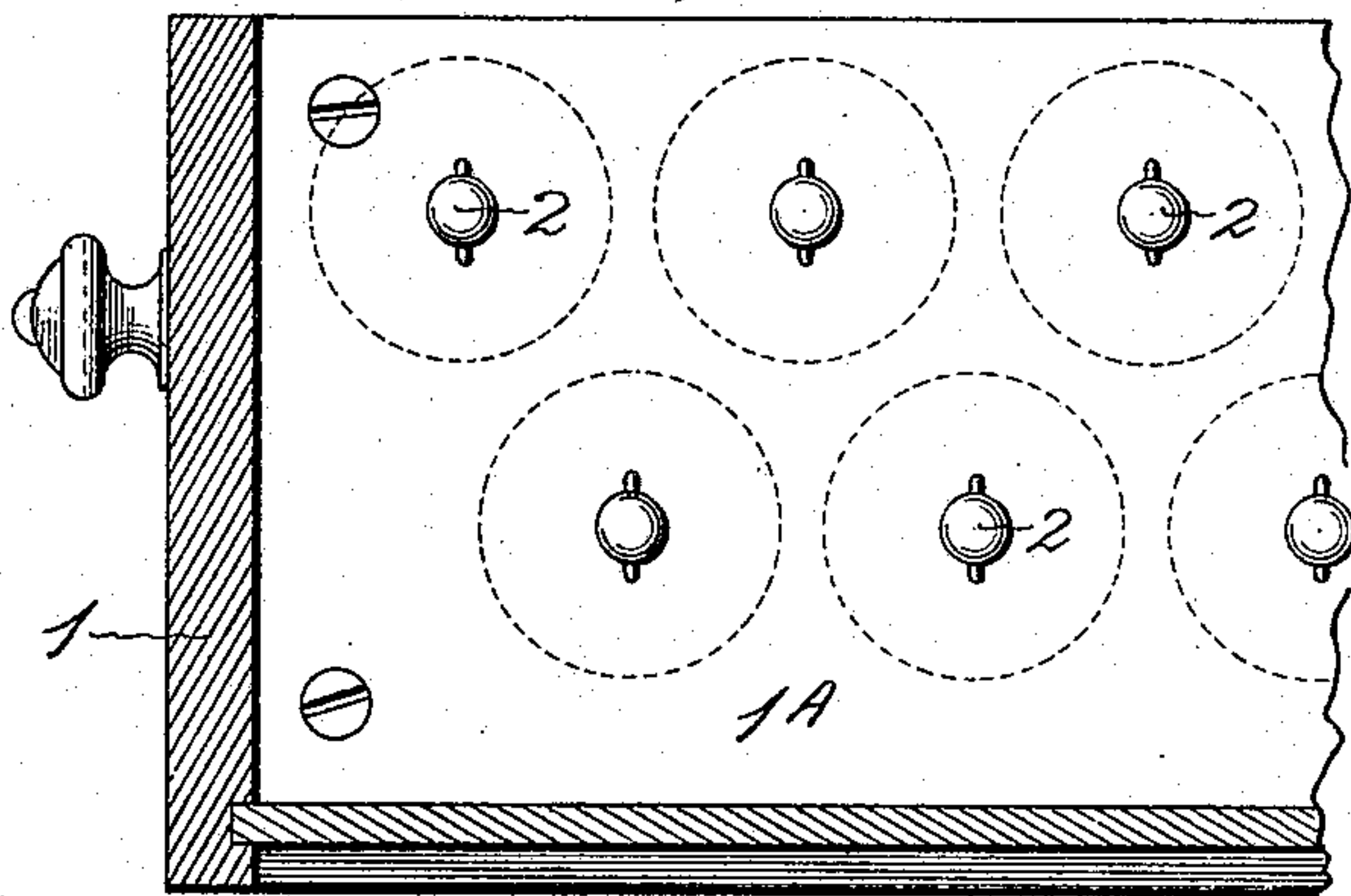


Fig. 3.

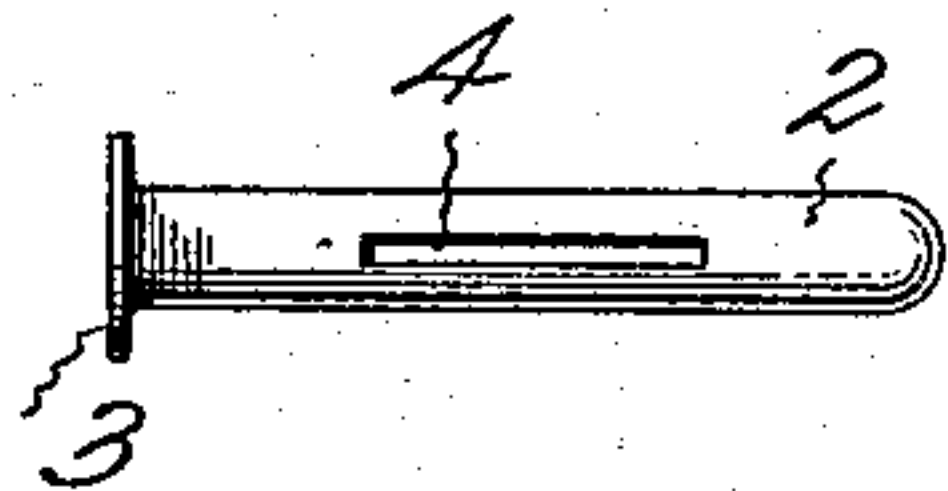
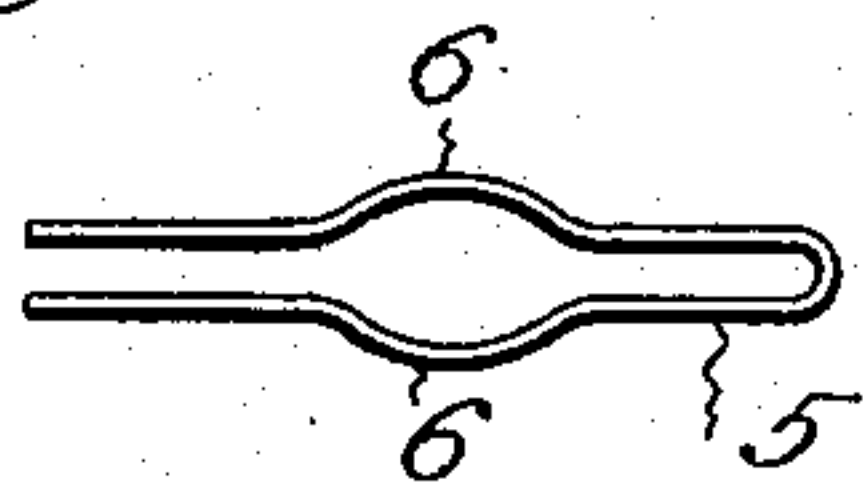


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

ALEXANDER STEWART, OF DENVER, COLORADO.

SPOOL-HOLDER FOR SEWING-MACHINE DRAWERS.

No. 930,630.

Specification of Letters Patent.

Patented Aug. 10, 1909.

Application filed October 26, 1908. Serial No. 459,544.

To all whom it may concern:

Be it known that I, ALEXANDER STEWART, a citizen of the United States of America, residing in the city and county of Denver and State of Colorado, have invented new and useful Spool-Holders for Sewing-Machine Drawers, of which the following is a specification.

This invention relates to improvements in spool holders, and particularly to a style of spool holder, which is adapted to be used in connection with sewing machine drawers.

The object of the invention is to provide a device of this character comprising a plurality of tubular stems having laterally projecting springs, which are compressible and which are adapted to bear upon the surface of the axial hole extending through the spool when the spool is placed upon the stem, whereby the spool is held thereon against accidental displacement.

The invention further consists in securing said stems to a support preferably a piece of thin board, which is of a size to fit within an ordinary sewing machine drawer, so as to be secured to one side thereof, whereby a plurality of spools of cotton thread or silk may be held in an accessible position and so as to prevent mixing of the spools, or tangling of their contents. These objects are accomplished by the device in its preferred form and modification thereof, illustrated in the accompanying drawing, in which:

Figure 1, is a transverse, sectional view through an ordinary sewing machine drawer, showing one of the improved holders in section, a spool being shown thereon to illustrate the application of the invention, while a second holder is shown in side elevation, the holders being supported upon a strip which is secured to one side of the drawer. Fig. 2, is a vertical, longitudinal, sectional view through a portion of the drawer, showing the spool holders in end view and the manner of their arrangement. Fig. 3 is a side elevation of a tubular spring-holding stem, which forms part of the preferred form of holder. Fig. 4, is a side view of a double contact spool engaging spring adapted to be used with the stem shown in Fig. 3.

Referring to the accompanying drawing: 1, designates the drawer of a sewing ma-

chine to one of the sides of which is secured a strip 1^A, which is preferably wood. This strip is provided with a plurality of holes, which are arranged in parallel, horizontal rows, the holes in one row alternating with those in the other row. Before the strip is secured to the side of the drawer the spool holders are placed in the holes in the said strip. These spool holders comprise tubular stems 2, which are formed with flanges 3, at one end, which engage the rear face of the strip and prevent the stems from becoming disconnected from the strips, and with oppositely arranged slots 4, about midway of the length of the stems and springs 5, which are bent upon themselves to form parallel members, which are inserted within the stems. In the spring shown in Fig. 4, each of the members is formed about centrally of its length with an outward bend or projection 6, and when the spring is compressed so as to be inserted in the stem these projections pass through the slots 4 therein and extend a slight distance beyond the periphery of the stem. The ends of the spring extend to the flanged end of the stem and are free to move when the spring is compressed.

In operation the holders are arranged in the drawer of a sewing machine in the manner illustrated and the spools are placed thereon in predetermined order. When a spool is placed upon a stem 2, the projections 6 of the spring 5, which extend through the slots 4 of the stem are engaged by the spool and the member of the spring compressed and held under tension and by means of the contact of the projections with the spool the same is held upon the stem with sufficient force to prevent its accidental displacement.

The improved spool holder prevents unwinding and tangling of the cotton and provides for an orderly arrangement of the spool, and while the device is designed to be used in connection with sewing machine drawers it may also be used in any other connection.

Having described the invention, what I claim as new and desire to secure by Letters Patent is:

In a device as specified the combination with a drawer of a strip secured upon one

side thereof, a plurality of tubular stems secured in apertures in said strip and having oppositely arranged slots, and springs in the tubular stems comprising lengths of resilient
5 wire bent to form parallel members having portions which extend through the oppositely arranged slots.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER STEWART.

Witnesses:

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AGNES MCNAIR.